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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/629,671	07/30/2003	Hee Bok Kang	40296-0005	6501
26633	7590 08/31/2004		EXAM	INER
HELLER EHRMAN WHITE & MCAULIFFE LLP 1666 K STREET,NW			NGUYEN, VAN THU T	
SUITE 300			ART UNIT	PAPER NUMBER
WASHINGTON, DC 20006			2824	
		DATE MAILED: 08/31/2004		

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Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/629,671	KANG, HEE BOK			
Office Action Summary	Examiner	Art Unit			
	VanThu Nguyen	2824			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	66(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on	_•				
2a) This action is FINAL . 2b) This	This action is FINAL . 2b) ☐ This action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.			
Disposition of Claims					
4) ☐ Claim(s) 1-16,18 and 19 is/are pending in the a 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) 1-16,18-19 are subject to restriction as	vn from consideration.				
Application Papers					
9) The specification is objected to by the Examine					
10) ☐ The drawing(s) filed on is/are: a) ☐ acce					
Applicant may not request that any objection to the o	= · ·	` ·			
Replacement drawing sheet(s) including the correcting 11). The oath or declaration is objected to by the Expression of the correction of t					
Priority under 35 U.S.C. § 119					
a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list of	have been received. have been received in Application ity documents have been receive (PCT Rule 17.2(a)).	on No d in this National Stage			
Attachmont(s)					
Attachment(s) 1) Notice of References Cited (PTO-892)	4) 🔲 Interview Summary ((PT∩_413)			
2) D Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	te			
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	5) Motice of Informal Pa 6) Other:	atent Application (PTO-152)			

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1 and 10, drawn to parallel read/write, classified in class 365, subclass220.
 - II. Claims 2 and 11, drawn to serial read/write, classified in class 365, subclass 221.
 - III. Claims 3-4, 12, 14, drawn to parallel read/write, classified in class 365, subclass 220.
 - IV. Claims 5-9, 13, 15, 16, 18, drawn to signals, classified in class 365, subclass 191.
 - V. Claim 19, drawn to signals, classified in class 365, subclass 191.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions I and III are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention III has separate utility such as it requires one sense amplifier array. See MPEP § 806.05(d).
- 3. Inventions IV and V are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention V has separate utility such as it requires the least significant bit coupled to one of the plurality of I/O ports. See MPEP § 806.05(d).
- 4. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification and field of search, restriction for examination purposes as indicated is proper.

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5. Applicant is advised that the reply to this requirement to be complete must include an

election of the invention to be examined even though the requirement be traversed (37 CFR

1.143).

6. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to VanThu Nguyen whose telephone number is (571) 272-1881.

The examiner can normally be reached on Monday-Friday, 8:00am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Richard Elms can be reached on (571) 272-1869. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

VanThu Nguyen
Primary Examiner

Primary Examiner

Art Unit 2824